

Yolanda Fong Sam

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OBJECTIVE

Seeking a professional position in the field of Geology and Earth/ Environmental Sciences. Personal area of interest includes geographic information system and remote sensing. I am willing to learn new skills and grow as a professional while contributing with my knowledge to the overall performance of the institution or agency.

EDUCATION

University of Puerto Rico at Mayaguez Campus – Bachelors of Science

Expected graduation: May 2002

Major: Geology Approved credits: 176

Major GPA: 3.51/4.00 – GPA: 2.98/4.00

Fall 1998 – West Chester University, Pennsylvania – as part of the National Student Exchange Program.

PROFESSIONAL EXPERIENCE

- **Fall 2001** – Intern: Student Conservation Association working for the U.S. Geological Survey, Reston -Virginia.
 - Primary mentors: Dr. Laurel Bybell and Dr. Dave Menzie
 - Field work: 1) Round Hill drill site (Virginia) – wash, measure and box cores, determine strike and dip.
2) Soil sampling, waxing and labeling at the Shenandoah's National Park – VA.
 - Researched in the Internet and USGS Library for articles related to fossils in the Gulf of Mexico, explosives and mineral resources.
 - Computer work: used Adobe Photoshop and Illustrator to prepare maps, charts and posters, data tabulation.

ACADEMIC EXPERIENCE

- **Spring 2001** – Research project: "Erosion of sediments resulting from mineral exploration in the Pellejas watershed, Adjuntas, Puerto Rico".
 - Mentor: Dr. Ingrid Klich (Geology)
 - Determination and comparison of sediments in soils eroding from the vegetated and non-vegetated areas within mineral exploration site.
 - Comparison of the quantity and type of sediments lost by run-off in the study area.
- **Spring 2001** – Research project: "Land use classification of the South Coast of Puerto Rico" – presented at Junior Technical Meeting, ACS (Puerto Rico Section).
 - Mentor: Dr. Linda Vélez (Civil engineering and surveying)
 - Digitalization of topographic maps of the South Coast of Puerto Rico and classifying its land uses using GIS software.
 - Application of GPS technology.
- **Fall 2000** – Research project: Land use of the bordering areas of "El Yunque National Rain Forest, Puerto Rico"
 - Mentor: Dr. Linda Vélez (Civil engineering and surveying)
 - Digitalization of topographic maps of El Yunque and classifying land uses of its bordering areas, using GIS software.
- **1997-1998** - Research project: "Interaction Studies of peptides with Nucleic Acid"
 - Mentor: Dr. Marisol Vera (Chemistry)
 - Study the possibility of a peptide to stack into the DNA chain for the replacement of damaged cells.
- **1996-2001** – University of Puerto Rico Freshman's Orientation Week
 - Worked with professional counselors as an assistant.
 - Introduce freshman students to campus life and develop successful study habits.
 - Group leader in charge of the creation and organization of teams responsible of freshman student's activities during the orientation week.

COMPUTER SKILLS

Basic programming in C++
Microsoft Office
Publisher
Adobe Photoshop
ArcInfo, ArcEdit and ArcView

Internet
Windows 9x
GPS Pathfinder ProXR
Adobe Illustrator

LABORATORY AND FIELD SKILLS

GIS applications
Remote sensing
Basic Chemistry techniques
Read and digitize topographic maps
GPS technology
Sedigraph
Brunton compass

STRENGTH

- Active Security Clearance from the Department of the Interior.
- Fully bilingual: Spanish and English. Also speaks Chinese (Cantonese).
- Teamwork oriented, leadership, responsible, cooperative, organized, willing to travel and highly motivated individual.
- Hiking, camping, scuba diving, snorkeling and swimming.

COURSE HIGHLIGHTS

Remote Sensing applied to the geology field, Geographical Information System, Seismology, Introduction to soil studies, Calculus I-III, basic C++ programming, Microeconomics, Macroeconomics and Economics of Natural Resources.

ACTIVITIES

Presentations and Meetings:

2001 – National Hispanic & Environmental Council
2001 – Junior Technical Meeting
2000-01 – PaSCoR Poster Presentation
2000-01 – PaSCoR Summer Station
1999-01 – Symposium on Caribbean Geology
1998 – 215th National Meeting – ACS

Memberships:

2001 – Geological Society of America (GSA)
2000 – Partnership for Spatial and Computational Research
(PaSCoR) – NASA
1999 – Student Geological Society (SGS) at Mayaguez Campus
1996 – Student Counselor Association (AEO) at Mayaguez Campus
1995 – American Chemical Association (ACS)

REFERENCE

Available upon request.